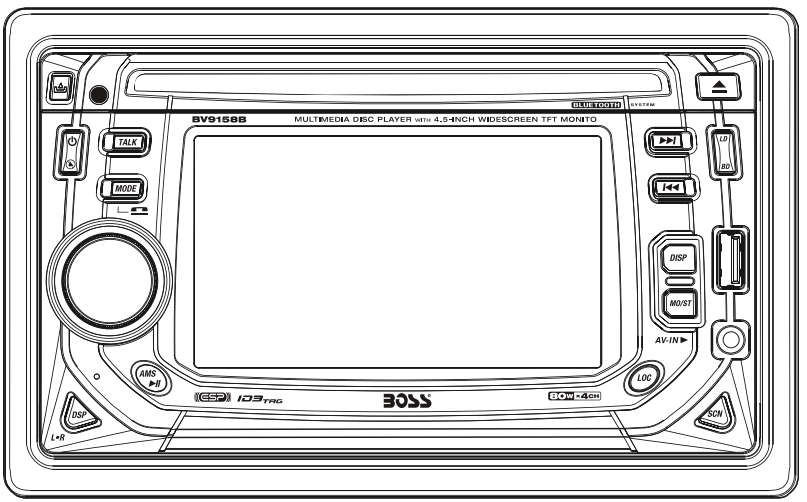
# INSTRUCTION MANUAL

## 4.5" Bluetooth-Enabled In-Dash Double-DIN DVD/MP3/CD Receiver with USB, SD Memory Card Ports and Front Panel AV Input



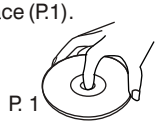
# 1. HANDLING COMPACT DISCS

MOISTURE CONDENSATION

On a rainy day or in a very damp area, moisture may condense on the lenses inside the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

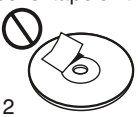
## NOTES ON CDs

1. A dirty or defective disc may cause sound dropouts while playing. To enjoy optimum sound, handle the disc as follows.
   Handle the disc by its edge. To keep the disc clean, do not touch the surface (P.1).



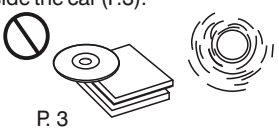
P. 1

2. Do not stick paper or tape on the disc (P.2).



P. 2

3. Do not expose the discs to direct sunlight or heat sources such as hot air-ducts, or leave them in a car parked in direct sunlight where there can be a considerable rise in temperature inside the car (P.3).



P. 3

4. Before playing, clean the discs with an optional cleaning cloth. Wipe each disc from the centre out (P.4).

P. 4

5. Do not use solvents such as benzine, thinner,commercially available cleaners, or antistatic spray intended for analog discs.

## NOTES ON DISCS

If you use the discs explained below, the sticky residue can cause the CD to stop spinning and may cause malfunction or ruin your discs.
Do not use CDs that have a sticky residue on the surface (for example, from peeled-off stickers or from ink, or glue leaking from under the stickers).

Paste or sticky residue.

P. 5

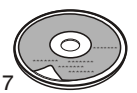
Do not use CDs with old labels that are beginning to peel off.

Stickers that are beginning to peel away leave a sticky residue (P.6).

P. 6

Do not use CDs with labels or stickers attached.

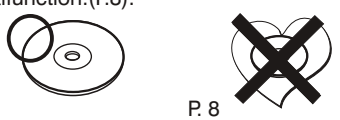
Labels are attached (P.7).



P. 7

Do Not Use Special Shape CDs

Be sure to use round shape CDs only. Do not use any special shape CDs. Use of special shape CDs may cause the unit to malfunction.(P.8).

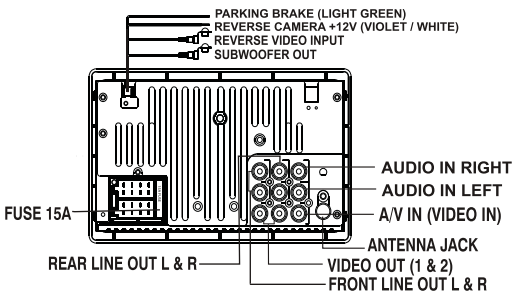


P. 8

CD-Rs and CD-RWs which have not undergone finalization processing cannot be played. (For more information on finalization processing, refer to the manual for your CD-R/CD-RW writing software or CD-R/CD-RW recorder.) Additionally, depending on the recording status, it may prove impossible to play certain CDs recorded on CD-R or CD-RW.

# 2. INSTALLATION

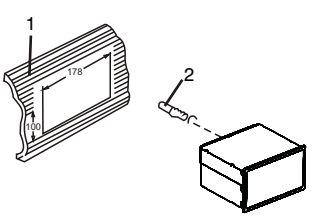
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angle exceeds 30 digress from horizontal, the unit might not give its optimum performance.
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from heater, or where it would be subject to dust dirt or excessive vibration.
- Be sure to remove the front panel before installing the unit.




## DIN FRONT/REAR-MOUNT

This unit can be property installed either from Front (conventional DIN Front-mount) or Rear (DIN Rear-mount installation, utilizing threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods A and B.

**DIN FRONT-MOUNT (Method A)**
Installation the unit



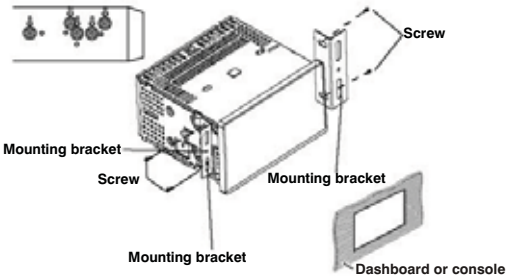

1. Dashboard

2. Mounting Stud there is a mounting stud with black rubber boot packed in accessory pack. Before installing main unit into dashboard, insert mounting stud into rubber boot and install the combined mounting stud onto nut on rear metal panel.

**Trim Plate Installation:**
Push the trim plate against the chassis until it is fitted**.**
**You must do this before you install the front panel, otherwise it can't be attached.**

**DIN REAR-MOUNT (METHOD B)**

Installation using the screw holes on the sides of the unit.
Fastening the unit to the factory radio mounting bracket.

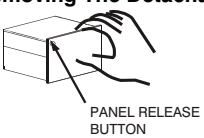



**Note:** the mounting box, outer trim ring,and half-sleeve are not used for this installation.

**Note:** The mounting box, metal half sleeve, are not included in the packing.

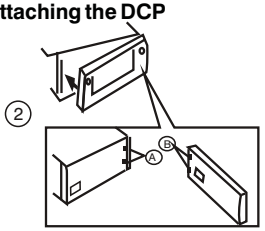
## DETACHABLE CONTROL PANEL (D.C.P.)

**Removing The Detachable Control Panel (D.C.P.).**




1. Turn the power off
2. Press the D.C.P. release button
3. Remove the D.C.P.

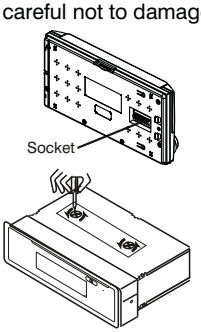
**Attaching the DCP**




1. Attach the panel at the right side first, with point B on the main unit touching point A on the D.C.P. (As shown on the digram).
2. Then press the left side of D.C.P. onto the main unit until a click sound is heard.

### CAUTION

- DO NOT insert the D.C.P from the left side. Doing so may damage it.
- The D.C.P can easily be damaged by shocks. After removing it, place it in a protective case and be careful not to drop it or subject it to strong shocks.
- When the release button is pressed and the D.C.P is unlocked, the car's vibrations may cause it to fall. To prevent damage to the D.C.P, always store it in a protective case after detaching it.
- The rear connector that connects the main unit and the D.C.P is an extremely important part. Be careful not to damage it by pressing on it with fingernails, pens, screwdrivers, etc.




**Note:**

If the D.C.P is dirty, wipe off the dirt with soft, dry cloth only. And use a cotton swab soaked in isopropyl alcohol to clean the socket on the back of the D.C.P.

**IMPORTANT**

These 2 screws are used to prevent damage to the CD mechanism during transportation Please make sure to remove the 2 screws before installing the unit into the vehicle. DO NOT insert a CD into the unit before removing the 2 screws.

# 3. ELECTRICAL CONNECTION

a. Make sure your car battery is a 12 volt (6 filler caps) negative ground system (if not, a converter will be necessary).

b. Before starting wiring connections, disconnect the power supply by removing the fuse from the fuse box.

c. Connect the power wire to one of the extra terminals of the fuse box.

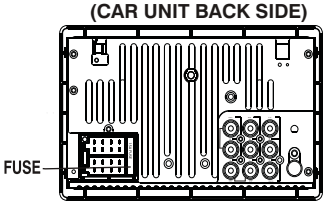
d. Connect the black ground wire to a metal part of the car. It is important to make good contact.

e. Make other wiring connections as shown.

f. If your car does not have ISO connector, you can purchase it from car accessory shops.

NOTES: INCORRECT WIRING OR OPERATION WILL VOID THE WARRANTY OF THIS UNIT.

**(CAR UNIT BACK SIDE)**



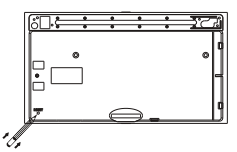

Fuse Replacement:

To replace the fuse, pull out the blown fuse from the socket. Insert a new one with same rating

**RESET BUTTON**

The RESET button is located on the main unit (as shown on the diagram). To press it vertically with a ballpoint pen or metal object to activate it. The reset button should be activated for the following reasons:

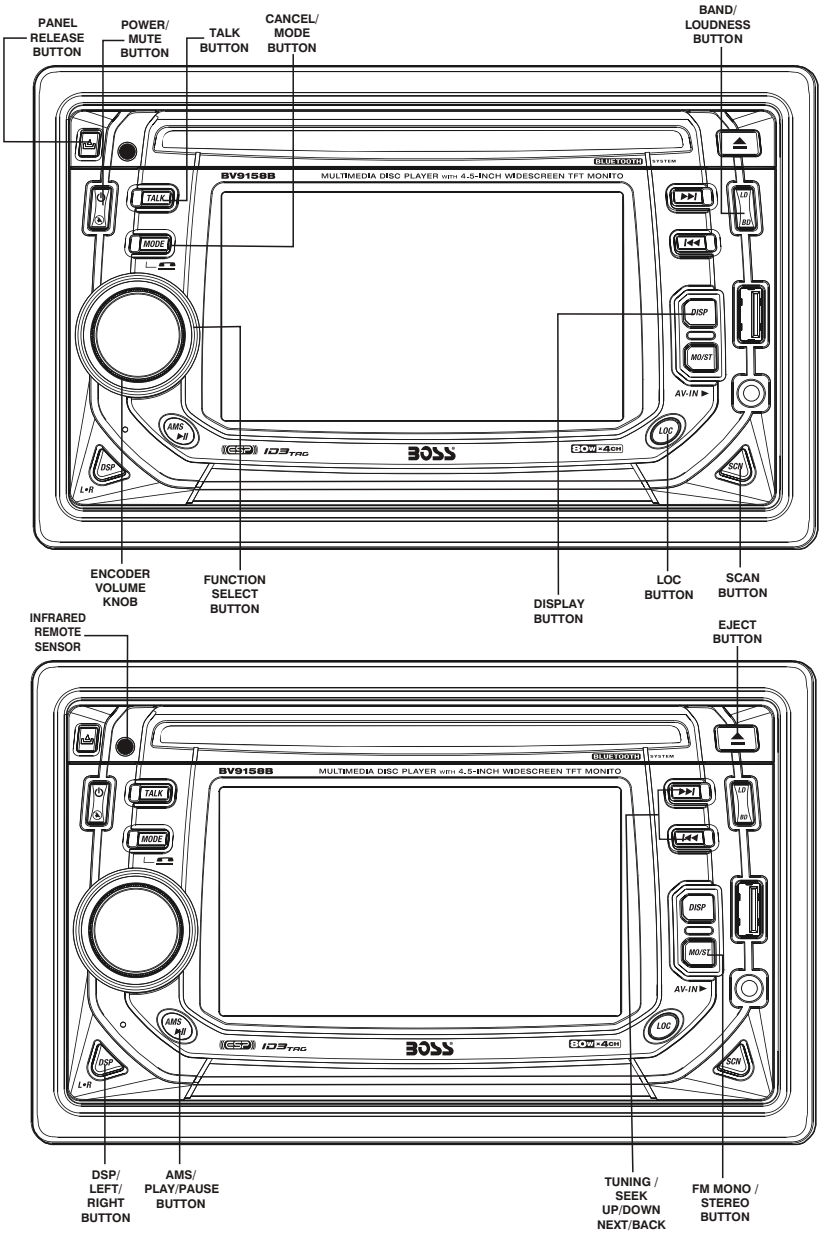
- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.



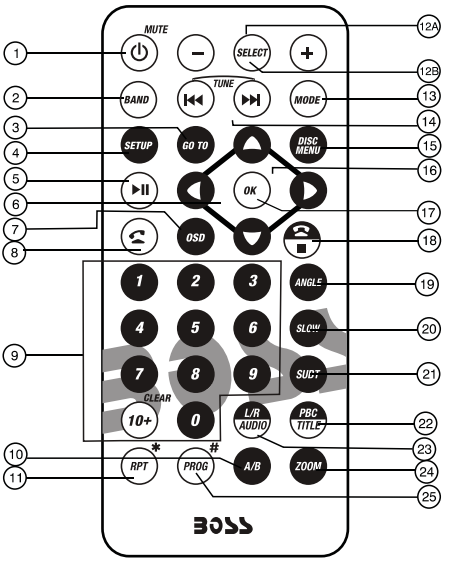
**Note:** If you press the RESET button, and the unit still cannot function normally, please use a cotton swab soaked in isopropyl alcohol to clean the socket on the back of the control panel.

# 4. FUNCTION OF CONTROL

## A. FUNCTION OF PANEL



## B. FUNCTION OF REMOTE




1. POWER/MUTE BUTTON
2. BAND BUTTON
3. GOTO BUTTON
4. SET UP BUTTON (In the state of video)
5. PLAY / PAUSE BUTTON
6. UP/DOWN BUTTONS
7. OSD BUTTON
8. TALK BUTTON
9. NUMBERIC KEY FOR TEL DIALING BUTTONS
10. REPEAT A - B BUTTON
11. REPEAT BUTTON
12A. VOLUME UP / DOWN BUTTONS
12B. FUNCTION SELECT BUTTON
13. MODE BUTTON
14. TUNING/SEEK/UP/DOWN OR NEXT/BACK BUTTONS
15. DISC/MENU BUTTON
16. LEFT/RIGHT BUTTONS
17. OK BUTTON
18. HANG UP/STOP BUTTON
19. ANGLE BUTTON
20. SLOW BUTTON
21. SUBTITLE BUTTON
22. PBC /TITLE BUTTON
23. L/R AUDIO BUTTON
24. ZOOM BUTTON
25. PROGRAM BUTTON

# 5. BASIC OPERATION

**PANEL RELEASE BUTTON**

Press this button to remove the control panel.

**POWER BUTTON**

Press power button to turn on long press to turn off the unit.

**MUTE BUTTON ( MUTE)**

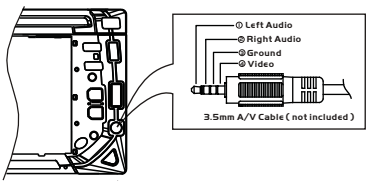
Press MUTE button to mute the sound quickly. Press it again to restore the previous sound level. When mute is on, the Mute indicator on the LCD will light up.

**MODE BUTTON (MODE)**

Press this button to select radio,DISC/USB/SD/MMC/
A/V- IN FRONT /A/V-IN REAR.

FRONT PANEL A/V IN JACK

The unit is allowed to connect with external Audio/Video system such like digital Camera or Game Console, You can connect the external A/V system thru the A/V in jack on front panel. After connecting the external A/V system, press mode to A/V IN FRONT to enjoy this external A/V system on this unit.




**NOTE:**The unit is only support the 3.5mm A/V Jack Pin Assignment shown as the diagram remove extra.

**SELECT BUTTON (SEL)**

press SEL button to open the Audio menu.
press SEL repeatedly to navigate through the following functions:

**VOLUME (VOL) -> BASS (BAS) -> TREBLE (TRE) -> BALANCE (BAL) -> FADER (FAD)**

Use Volume Up/Down to adjust desired level within 5 seconds.

**NOTE:** BASS AND TREBLE WILL BE SKIPPED IF DSP MODE IS ACTIVATED

**ENCODER VOLUME KNOB**

Turn this knob to adjust desired volume level.

**PRESET EQUALIZER (EQ)**

Press this EQ button to adjust following EQ settings.

**ROCK ->POP -> CLASSIC -> DSP OFF**

At DSP off mode preset equalizer will be controlled by Bass / Treble setting.

# 6. SYSTEM SETUP

## Basic operation of menu setup

1. General setup menu

In main menu, touch to enter into"SETTINGS"mode.

2. Touch GENERAL setup

3. Touch TIME setup

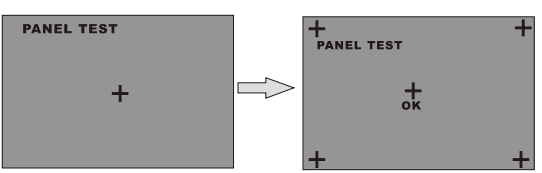
4. Touch LANGUAGE setup

5. Touch AUDIO setup

6. Touch VIDEO setup

7. Touch RADIO setup

8. Touch CALIBRATE setup

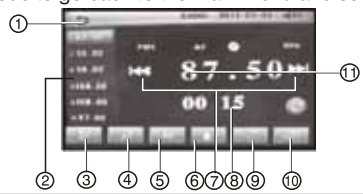



**CALIBRATION** : Touch + centre with a pen point, and Touch it again to enter into the calibration menu and display.

# 7. RADIO OPERATION

**RADIO FUNCTION KEY**

Touch the icon in any mode to go back to the main menu and select"RADIO"to enter the radio mode.




| Serial number | Name | Function description |
|---|---|---|
| ① | | BACK TO MAIN MENU |
| ② | Radio | TOUCH TO SELECT RADIO AND PRESS LONGER TO STORE CURRENT FREQUENCY |
| ③ | BND | BAND SWITCH(FM1\FM2\FM3\AM1 AM2 ) |
| ④ | | AUTO SCAN AND STORE RADIO |
| ⑤ | EQ | ROCK/POP/CLASS/EQ.OFF |
| ⑥ | LOC | LOCAL/DX |
| ⑦ | ⏮/⏭ | FREQUENCY BACKWARD/FREQUENCY FORWARD |
| ⑧ | CLOCK | CURRENT TIME |
| ⑨ | LOUD | LOUDNESS ON/OFF |
| ⑩ | MONO | ST:ON \OFF |
| ⑪ | Information | CURRENT BAND AND FREQUENCY |

**FM MONO / STEREO BUTTON (MONO)**

Use this control to select stereo or mono reception for FM radio stations. You can sometimes improve reception of distant stations by selecting mono mode.

**LOCAL / DX BUTTON (LOC)**

This control can be used to change between Local and Distant (-DX) tuning mode. Local mode improves reception in some areas where the signal is too strong.

**STATION PRESET BUTTONS (M1-M6)**

You can store & recall six preset radio stations by pressing M1-M6 buttons

TO STORE A STATION: 1) select a band (if needed)
2) select a station by tuning up / down button
3) hold a preset button which you want store the station for at least 2 seconds.

The preset number will appear on the display accompanied by a beeps sound.

TO RECALL A STATION: 1) select a band (if needed)
2) press a preset button briefly to recall the stored station.

**SCAN BUTTON (SCAN)**

Press this button, the radio will tune up to search stations, the available stations will blinking and stay on the display for a few seconds.

**AUTO MEMORY STORE / PRESET SCAN BUTTON (AMS)**

PRESET SCAN: press **AMS** button for less than 1 second to scan all preset stations in the memories Of the current band and stay on each memory stations for about 5 seconds. The memory location indicator on the LCD will flash during the process. To stop preset scan, press AMS button again.
AUTO MEMORY STORE: press **AMS** button for more than 1 second to enter auto store mode. The radio will automatically store 6 stations to the 6 preset memories of the current band. To stop auto store, press AMS button again.

**BAND BUTTON (BAND)**

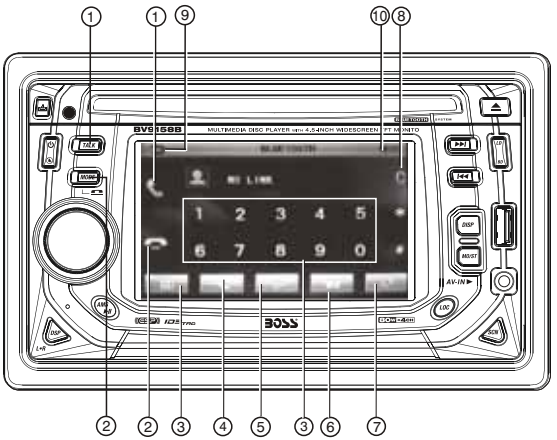
Press this button to change between band FM1, FM2, FM3 or MW(AM)1, MW(AM)2 bands .

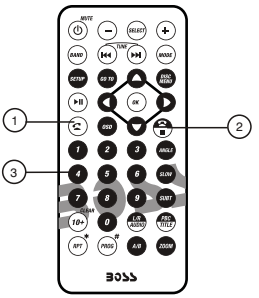
**TUNING UP / DOWN BUTTON (⏭ ⏮)**

1.Press these buttons briefly will operate **MANUAL SEARCH** tuning mode, the radio will tune up or down to the next station and remain on the frequency.

2.Press these buttons more than 2 seconds, operate as **AUTO SEARCH** buttons, under this mode the tuning frequency will advance up or down rapidly when the button is pressed.

# 8. Blue Tooth Hand Free Panel / Remote Control Function Key Matrix




| BLUETOOTH Function Button | | Blue Tooth Hand Free Function |
|---|---|---|
| 1 | TALK | Make an Outgoing call press TALK Button once to ready input the Tel number what you want to phone and the tel number you dialled will be showed on the Display. Once you press the TALK again to dial the number and the DIALLING will, be showed on display. During the talking mode, the Display will showed TALKING. |
| 2 | CANCEL/STOP (short press) | 1. Reject incoming call<br>2. End a call |
| 3 | Numberic Key | 1. For tel dialling (During make an out going call)<br>2. For CLEAR/+10 key if you have wrong input the Tel number, you can use this key to correct the wrong number on the display before you send the TEL number out. |
| 4 | | CALL LOG |
| 5 | | PLAY A2DP |
| 6 | | PAIR CONNECTION / DISCONNECTION (*MAKE SURE YOUR MOBILE PHONE BLUETOOTH IS TURNED ON AND PAIRED TO CAR PLAYER. READ PAGE 11 OF THIS MANUAL FOR INSTRUCTION OF PAIRING) |
| 7 | | SWITCHING BETWEEN CAR PLAYER NAD MOBILE PHONE |
| 8 | C | C KEY (CLEAR) |
| 9 | | BACK TO MAIN MENU |
| 10 | | PHONE ADJUST DESIRED VOLUME LEVEL |

# BLUETOOTH MODE OPERATION

## INSTRUCTION FOR HANDSFREE FUNCTION

### 1. PAIR IT WITH YOUR PHONE (PAIRING)

Before you use your Car HANDSFREE System, you need to pair it with your mobile phone.

1. The Bluetooth set system on the head unit will automatically go into pairing mode when the Ignition is being turned on and the Bluetooth symbol indicator on the display will Flash every 1 second.
2. Set your Bluetooth phone to discover the device ID--BOSS AUDIO.
3. Your phone will find the device ID--BOSS AUDIO.

Your phone then asks if you want to pair with it. Accept by pressing Yes or OK on the phone and confirm with the passkey or PIN=0000 (4 zeros). Your phone will confirm when pairing is complete. The Bluetooth symbol wi stop flashing and stay lit.

In case of unsuccessful pairing, repeat steps 1 to 3 .

### 2. OPERATION

- Call Accept: Single click TALK button during an incoming call to accept the call.
- Call Reject: Click CANCEL (MODE) or (STOP) on the remote during an incoming call will reject the call.
- Call End: Single click TALK button when communication or dialling an outgoing call to hang up.
- Call Disconnect: Click TALK button about 1.5 seconds when it is not in communication mode. And Disconnect and No LINK will showed on the display.
- Call Re-connect,Click TALK button again at the Disconnect Status. The connection will be reconnected and LINKING & LINK OK will showed on the display.
- Call Waiting (Depend on provider feature): Double click TALK button at communicating time, enter into call waiting, double click it again, enter into communication mode.
- Call Transfer (Private mode): Click TALK button about 1.5 seconds at communicating time, transfer the call to phone, click talk button once again, transfer the call to Bluetooth.
- Last Number Redial: Double click TALK button when not in call automatically redial the last number.
- Auto Answer (Depend on mobile phone feature): Pls refer to your own mobile phone manual for handsfree auto answer setting.
- Volume Adjust: User can use the volume up/down to adjust the volume level.

### 3. WHAT DISPLAY CAN SHOW DURING THE INCOMING/OUTGOING CALL MODE

**INCOMING CALL**

- When there is an incoming call, the display will display the Incoming caller telephone number If the incoming call has no caller number, the LCD will display 00000000 user can short press the TALK button answer / accept the call and the Talking display will be showed when the call is answered.
- To end the conversation, press the CANCEL(MODE or (STOP) at the Remote control and the Hang up will showed on display. The unit and the display on the LCD will switch back to the previous mode automatically.

**OUTGOING CALL**

- User can use his / her Mobile Phone or remote control to dial and make an outgoing call . Once the user start dialling, the display should show **DIALLING**.
- The audio output of the present mode will ONLY be muted after pressing the **TALK** button as a confirmation to dial the outgoing call.
- During talking mode, the LCD Display will display TALKING.
- To end the conversation, press the CANCEL (MODE) button or (STOP) at the Remote control and the Hang up will showed on display. The unit and the display on the LCD will switch back to the previous mode automatically. The mute of the previous mode will be released at the same time.

**4. BLUETOOTH NOTICE**

- Before you start to use our Bluetooth HEAD UNIT , Please pair the unit with your mobile phone completely. Please refer to the section of **PAIRING** To ensure the best reception for Pairing & Re-connection, please make sure the phone Battery is fully charged when making the pairing or Re-connection.
- Every time you turn the ignition key from off to on, the unit will automatically re-connect with the mobile phone.
- By pressing the TALK button the unit will start the Auto-Reconnection . In some conditions, the user will need to reconnect manually. For example like the following.
- If the mobile phone is out of range. (2 meters away from the head unit) the unit will be disconnected from the mobile phone.
- If user wants to re-connect, it will have to be done manually.
- The Bluetooth symbol (...) and the connected symbol (< / >) on the mobile phone will be different from one to another. Please refer lo the corresponding specification.
- The LED turns on when an audio connection exists (e.g. talking) or when it is ringing. When the main unit turns on, if there is a call incoming, it will auto switch to talk state.
- When you hang up the phone, the main unit will revert to previous state (radio, CD or other mode).
- When the main unit turns off (with ACC ON), if there is a call incoming, the main unit will auto turn on and enter into talk mode. When hang up the phone, the main unit will turn off automatically.
- Some brand of Mobile Phone like Sony Ericsson may have "Power Saving Mode" selection when Blue Tooth mode is switched on. **PLEASE DO NOT** Switch ON Power saving Mode when operating with this Head Unit, . As some abnormal communication behaviour will happen Power Saving Mode is switched on.
- To ensure the best conversation quality / performance, please always keep talking within 1 metre of the Head Unit.
- Some Mobile Phones can support IN BAND RING TONE, such as Motorola, Nokia. In such case, the Incoming Ringing Tone will be same as the original Ring-tone of the Mobile
- Phone. But some Mobile Phones like Sony Ericsson do not support this feature. The Ring-tone will be using the standard Ring-tone of the Head unit.
- Using voice dialling, please make sure the phone and the head unit within 3 metres of each other. Also please make sure your mobile phone support voice dialling function. And please consult with your mobile phone supplier if you want to know the operation further about voice dialling.
- If user wants to Dis-connect the Head unit with the Mobile Phone, please click talk button long once or switch "OFF" Blue Tooth connectivity on the Mobile Phone.

**LISTENING TO MUSIC USING BOSS AUDIO ON THE BT AUDIO MODE**

- BOSS AUDIO is capable of streaming music over Bluetooth from a mobile phone supporting A2DP. Press the mode button to select Bluetooth BT audio mode, once you have paired your Car Handsfree with your mobile phone, use your phone to play, pause, stop, skip forward and backward. When you receive a call, the music will be automatically paused and you will be able to answer or reject a call through the headset. Once you end a call, the music will continue. On some phones you may have to press play to start the music again.
- The LCD display of the head unit should show A2DP when playing music with BOSS AUDIO.
- And you can also make an outgoing call (This function is compatible with some phones which can make outgoing calls during the A2DP mode.)

## Specifications for Blue tooth

| BLUE TOOTH | |
|---|---|
| Power Consumption | 200mA Max. |
| Output Power | 0 dBm (Class II) |
| Frequency Band | 2.4GHz ~ 2.4835GHz ISM Band |
| Range | 3 meters (free space) |
| Standard | Bluetooth 2.1 specification |

• Specifications subject to change without notice.

**Remark:**

Our Bluetooth Handsfree System adapts to the Bluetooth spec V2.1 and higher. It is compatible with profiles such as Handsfree profile and Head Set profile. However the functionality may be limited due to some phones dedicated interfacing specifications, even with phones of which the actual Bluetooth specifications and used profiles apply to our Bluetooth Handsfree System specifications.
Please check the compatibility list or try it out in practice your phone at the local dealer in case it is not mentioned in the list.

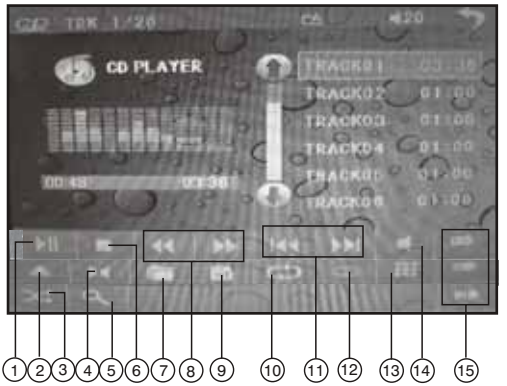
**Note:**

Compatibility and connectivity with all Bluetooth mobile phones is not guaranteed.

**Warning:**

Many jurisdictions have laws regarding the use of a phone in a vehicle.
Obey all local laws. Always keep your hands free to operate the vehicle while driving.
Your first consideration while driving should be road safety.

# 9.DISC/MULTI-MEDIA FILES OPERATIONS




| S.N | NAME FUNCTION | DESCRIPTION |
|---|---|---|
| ① | ⏯ | PAUSE/PLAY |
| ② | ⏏ | EJECT BUTTON |
| ③ | 🔀 | RANDOM BUTTON |
| ④ | ⏭ | L/R BUTTON |
| ⑤ | 🔍 | ZOOM |
| ⑥ | ⏹ | STOP BUTTON |
| ⑦ | 📁 | Folder |
| ⑧ | ⏪ ⏩ | BACKWARD/FORWARD |
| ⑨ | TITLE | TITLE MENU |
| ⑩ | 🔁 | REPEAT. REPI → DIR → ALL |
| ⑪ | ⏮ ⏭ | PREVIOUS MUSIC/NEXT MUSIC |
| ⑫ | ▭ | SUBTITLE |
| ⑬ | ⌨ | ENTER NUMERAL BUTTON |
| ⑭ | 🔇 | MUTE BUTTON |
| ⑮ | ▮■▶ ▮■▶ ▮■▶ | ANOTHER FUNCTION KEY |

**MULTI-MEDIA FILE OR FOLDER SEARCHING**

**CD SLOT**

Insert the disc into CD slot. The CD will begin to play.

**EJECT BUTTON**

Press this button to eject the CD from the unit. The receiver will switches to radio mode automatically.

**PLAY/PAUSE BUTTON ( ▶II )**

Press this button briefly to pause disc play, press again to resume play.

**NEXT/BACK BUTTONS( ▶▶I & I◀◀ )**

When **NEXT** is pressed, the unit will go to the next track and start the playback.

When **BACK** is pressed, the unit will go back to the previous track and start the playback.

Long press the ▶▶I& I◀◀ buttons under the play mode, the unit will start to forward or rewind. you can play discs at various speeds. with each consecutive long press the ▶▶I &I◀◀ buttons , the playback speed increases. there are 5 speed levels for discs in FWD/REV: X2, X4, X8,X16, X20. there are 4 speed levels for disc types other than disc: X2, X4, X8,X16,X20.

Press PLAY to resume the playback at normal speed.

Selecting a Track to Play

1. Use the UP/DOWN/LEFT/RIGHT direction buttons to move to different file/folder Numbers.
2. Press OK on a file number, and that file will begin to play, or by direct numeric input,
3. Enter a file number with the numeric buttons (0-9) and +10 button to play the input Files Number.

**REPEAT A-B BUTTON (A-B)**

1. Press REPEAT A-B at your chosen starting point.
2. Press REPEAT A-B again at your chosen end point.

- The section A and B can be set only within the same track.
- The section will now repeat continuously.

3. To exit the sequence, press REPEAT A-B.

The screen will display the following message:

→ **REPEAT A-** → **REPEAT A- B** → **REPEAT A-B CANCEL**

NOTE: This operate is with **CD;USB;SD** Mode only.

**STOP BUTTON( ■ )**

Stop the current disc playback.

Briefly press the STOP button to stop the unit playback, when the PLAY button is pressed, normal playback will continue.

Press STOP two times consecutively to enter the clear stop mode. Under the clear stop mode, if PLAY is pressed, the disc will resume the playback from the beginning of the disc.

**NUMERIC BUTTONS**

When playback CD/Music file use for track number or File number direct access and Use when function need numeric Selection or Input, like in the Goto function, etc.

**OK BUTTON**

Use this button to confirm the selection.

**GO TO BUTTON (GO TO)**

Using GO TO feature to select track number or specific time.

A. Press GO TO button, the screen will display the following message:

B. Press Arrow Left/Right buttons to highlight the track number or the time option.

C. Use numeric buttons to enter the track you want to play or the elapsed time you want to go to in that track.

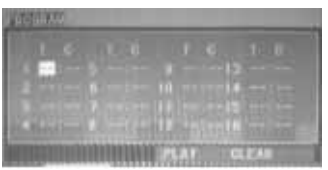
D. Press OK button to start playback. For example entering 00:01:56 will start playback one minutes and fifty-six seconds into the title or:

Direct to PLAYBACK TIME

Swipe for DRAG TO

**PROGRAM BUTTON (PROG)**

Press PROG button the screen will display the following message.



A. For example: Press numeric button 2 ,PROGRAM 0002 appears it means track 2 will be player first then press numeric button 4 and PROGRAM 0004 appears, press the different numeric button to select the corresponding track and then you can program tracks to your need if you want to complete program setting press PLAY button to play tracks in programmed order.

B. Press the (▲ /▼/ ◀ / ▶) buttons to highlight select program mode or track number and press PLAY button to confirm it.

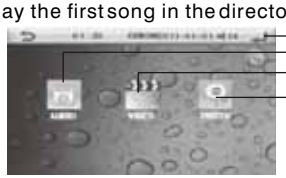
C. If you exit program mode and program off appears press STOP button then press PLAY button.

## ID3 INFORMATION DISPLAY

If any Music file contains any ID3-TAG information, user can view these ID3-TAG information such as Track title, Artist title, Album title, etc, These ID3-TAG information will be displayed on the lower left hand corner of the TFT monitor.

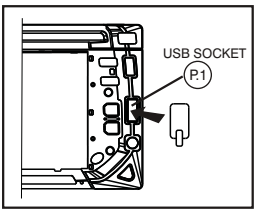
# 10. PLAY MULTI-MEDIA FILES OPERATION

Place a disc into the player, and the player will auto search the directories saved files. After searching, it will automatically go to the first directory saved files (to the disc containing both Music and Photo files; To the disc containing single type of files, it will automatically go to the first directory) and play the first song in the directory (01: is highlighted).The screen displays as the picture below:


Click it to select folder
The playing file is a Music file.
File Switch Region: Displays the file
The playing file is a Photo file.

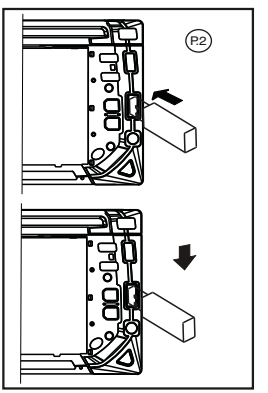
# 11. MMC/SD CARD & USB DEVICE OPERATIONS

## START THE USB DEVICE MODE




1.The USB mini socket is accessible as indicated in picture 1.(P.1)

2.Plug in the USB drive / device completely as indicated in picture 2(P.2) and display will show "USB" to indicate that the USB drive / device is being plugged in correctly & the download has begun.




3.Does not matter what mode the unit is in, once a USB drive / device is being plugged into the unit, unit will automatically switch to USB mode.

4.All the USB files playback function is same as normal disc playback.

**Warning:** Excessive weight or size USB drive/device may cause permanent & serious damage to the unit and may cause access to the buttons on the front panel impossible. User must use an extension cable (provide by USB device manufacturer) to connect with USB socket to prevent any damage cause.

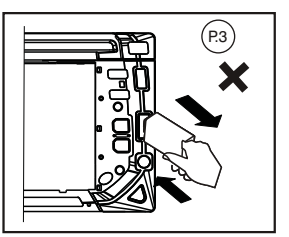
## TO STOP USB PLAYBACK

1.If the USB drive / device is unplugged, the unit will automatically switch to radio mode. Or user can use mode button to switch to other modes.

2.The user can use the mode button to choose USB mode (only if USB drive / device is inserted in the unit ) or any other modes, when they are in any mode.

USB SPECIFICATION

* USB 1.1 DEVICE SUPPORT
* USB 2.0 DEVICE SUPPORT
  (TRANSFER SPEED SAME AS VER 1.1)
* FILE MANAGER: FAT12/FAT16/FAT32



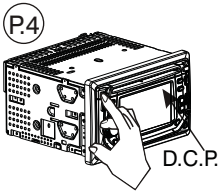

## CAUTION

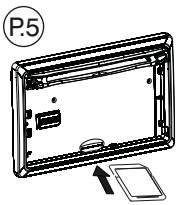
1.Always unplugg the USB gently from the unit, excessive force used will cause permanent & serious damage to the unit & the USB drive / device.

## COMPATIBILITY

Due to the fast changing technology world, this unit may or may not be compatible to all the USB drive / device available with all the future technology, especially those USB drive / device which require to install a driver. Always choose a compatible USB drive / device which is compatible with this unit.

## START THE SD/MMC MODE




1.Press panel release button to release the front panel.(P.4)

2.The SD/MMC card slot is located on top of the front panel

3. Insert the SD/MMC card into the card slot in the correct direction until a CLICK sound is heard.

4.Close the front panel.

5. The display will show CARD to indicate that the SD or MMC card is correctly inserted. Once the SD or MMC card is inserted, the file will automatically loaded & playback will also start.

6. Does not matter what mode the unit is in, once a SD or MMC card is being inserted in the unit, unit will automatically switch to SD / MMC mode.

7. All the SD / MMC files playback function is same as normal CD or Multi-Media disc playback.

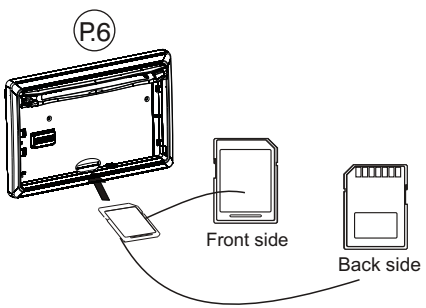
## TO STOP SD/MMC CARD PLAYBACK

1.Push on the end of the SD or MMC card to eject the SD or MMC card. Once the SD or MMC card is taken out, the unit will automatically switch to previous mode.

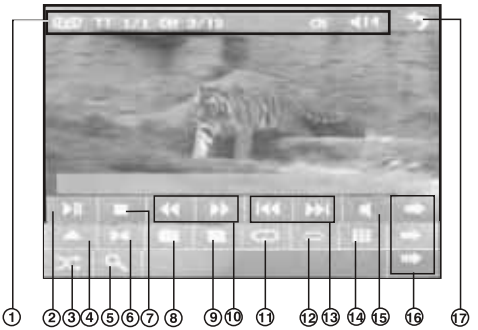
2.User can use the mode button to choose SD / MMC mode (only if SD or MMC is inserted in the unit ) or any other modes, when they are in any mode.

## CAUTION

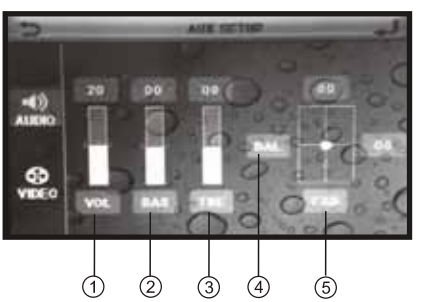
2.Please make sure to insert the SD or MMC card in the correct direction / orientation as indicated in picture 7(P.7). Wrong insert will cause permanent & serious damage to the unit & the SD or MMC card.

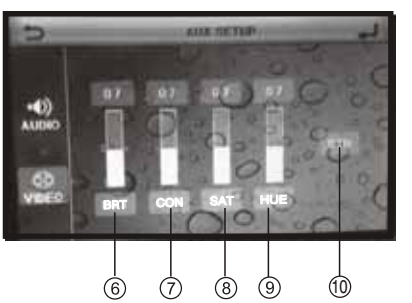


# 12. VIDEO DISC OPERATIONS




| S.N | Name Function | Description |
|---|---|---|
| ① | Information bar | DISPLAY DISC INFO. |
| ② | | PAUSE/PLAY |
| ③ | | RANDOM BUTTON |
| ④ | | EJECT BUTTON |
| ⑤ | | ZOOM |
| ⑥ | | L/R BUTTON |
| ⑦ | | STOP BUTTON |
| ⑧ | | FOLDER |
| ⑨ | TITLE | TITLE MENU |
| ⑩ | | BACKWARD/FORWARD |
| ⑪ | | REPEAT CHAPTER/TITLE/ALL |
| ⑫ | | SUBTITLE |
| ⑬ | | PREVIOUS MUSIC/NEXT MUSIC |
| ⑭ | | ENTER NUMERAL BUTTON |
| ⑮ | | MUTE BUTTON |
| ⑯ | | ANOTHER FUNCTION KEY |
| ⑰ | | BACK TO MAIN MENU |




| AUDIO | S.N | Function |
|---|---|---|
| | ① | VOL-/VOL+ |
| | ② | BAS-/+ |
| | ③ | TRE-/+ |
| | ④ | BAL-/+ |
| | ⑤ | FAD-/+ |

| VIDEO | S.N | Function |
|---|---|---|
| | ⑥ | BRI-/BRI+ |
| | ⑦ | CON-/CON+ |
| | ⑧ | COL-/ COL+ |
| | ⑨ | HUE - / HUE + |
| | ⑩ | USER/STDY/BRIG/SOFT/SHAR |

**PLAY BUTTON ( ▶II)**

Press this button briefly to pause disc play, press again to resume play.

**STOP BUTTON ( ■ )**

Stop the current disc playback.

Briefly press the STOP button to stop the unit playback, when the PLAY button is pressed, normal playback will continue.

Press STOP two times consecutively to enter the clear stop mode. Under the clear stop mode, if PLAY is pressed, the disc will resume the playback from the beginning of the disc.

**OK BUTTON**

Use this button to confirm the selection.

**NEXT/BACK BUTTONS( ▶▶I & I◀◀ )**

When NEXT is pressed, the unit will go to the next track and start the playback.

When BACK is pressed, the unit will go back to the previous track and start the playback.

Long press the ▶▶I & I◀◀ buttons under the play mode, the unit will start to forward or rewind. you can play discs at various speeds. with each consecutive long press the of ▶▶I & I◀◀ buttons , the playback speed increases. there are 5 speed levels for discs in FWD/REV: X2, X4, X8, X16,X20. there are 4 speed levels for disc types other than disc: X2, X4, X8,X16,X20.

Press PLAY to resume the playback at normal speed.

**NUMERIC BUTTONS**

Use when playback disc which need numeric Selection or Input, like in the Goto function, etc.

- 3 types of TV color signal system are available: NTSC, PAL60 or Automatic mode.
- Use P/N button to select between NTSC/PAL, or automatic mode.

**REPEAT A-B BUTTON (A-B)**

1. Press REPEAT A-B at your chosen starting point.
2. Press REPEAT A-B again at your chosen end point.

- The section A and B can be set only within the same track/chapter.
- The section will now repeat continuously.

3. To exit the sequence, press REPEAT A-B.

The screen will display the following message: → **REPEAT A-** → **REPEAT A-B** → **REPEAT A-B CANCEL**

L/R BUTTON(L/R)

Press R/L button for select left and right channel.

The screen will display the following message:

→ **STEREO** → **MONO L** → **MONO R** → **MIX MONO**

**ZOOM BUTTON(ZOOM)**

The ZOOM feature allows you to magnify a certain area of the images recorded on the Video disc and other image discs. the screen will display the following message:

→ ZOOM X2 → ZOOM X3 → ZOOM X4 → ZOON $^1/_2$ → ZOON $^1/_3$ → ZOON $^1/_4$ → ZOOM OFF

A. Press ZOOM button to enlarge the image by x2.
B. Press ZOOM button twice times to enlarge the image by x3.
C. Press ZOOM button again to enlarge the image by x4.
D. Press ZOOM button to enlarge the image by $^1/_2$.
E. Press ZOOM button twice times to enlarge the image by $^1/_3$.
F. Press ZOOM button again to enlarge the image by $^1/_4$.
G. Press UP/Down/Left/Right to select the area you want to magnify.
H. The four times press of ZOOM will cancel the zoom function and resume normal playback.

SLOW BUTTON (SLOW)

A. Press SLOW button once to activate SLOW 1/2 slow motion playback.
B. Press SLOW button twice to activate SLOW 1/3 slow motion playback.
C. Press SLOW button three times to activate SLOW 1/4 slow motion playback.
D. Press SLOW button four times to activate SLOW 1/5 slow motion playback.
E. Press SLOW button five times to activate SLOW 1/6 slow motion playback.
F. Press SLOW button six times to activate SLOW 1/7 slow motion playback.
G. Press SLOW button again to restore normal playback.

**The screen will display the following message:**

**PBC FUNCTION BUTTON (PBC)**

Press the PBC button to turn on PBC function. The unit will show the song list on the screen of the monitor after the WARNING from the Video CD. Then you can choose the song by pressing the desired number key.
Press PBC key return to manual of Video CD,

**NOTE:** This only operates with the **PBC** function on **VCD**.

**GO TO BUTTON (GO TO)**

Using GO TO feature to select track number or specific time:

A. Press GO TO button, the screen will display the following message:
B. Press Arrow Left/Right buttons to highlight the track/title/chapter number or the time Option.
C. Use numeric buttons to enter the track/title/chapter you want to play or the elapsed time you want to go to in that track/title/chapter.
D. Press OK button to start playback. For example entering 01:11:56 will start playback one Hour, eleven minutes and fifty-six seconds into the title or:

Direct to PLAYBACK TIME

Swipe for DRAG TO

**PROGRAM BUTTON (PROG)**

The PROGRAM feature, select TITLE/CHAPTER to edit.

A. Use numeric buttons to enter highlight PROGRAM title/chapter,for example: press numeric button title 2,chapter 4,PROGRAM T02/C04 appears it means Title 2,chapter 4 will be played first then press numeric button title 3,chapter 5 and PROGRAM T03/C05 appears, press the different numeric button to select the corresponding title/chapter and then you can program title/chapter to your need. if you want to complete program setting press PLAY button to play chapters in programmed order.
See the illustration below:

B. Press the ( ▲ / ▼ / ◀ / ▶ )buttons to highlight select program mode or title/chapter and press PLAY button to confirm it.

C. If you exit program mode and program off appears press STOP button then press PLAY button.

**TITLE BUTTON (TITLE)**

1. Press TITLE to invoke Title Menu (Dependent on authoring of disc).
2. Press direction( ▲ /▼ / ◀ / ▶ ) buttons to highlight selected Title Menu entry.
3. Press OK or PLAY to select the highlighted entry. If the highlighted entry indicates a title, that title will play from Chapter 1.

**NOTE:** This only operate if the disc with the **TITLE** function.

**DISC MENU**

1. Press DISC MENU to invoke the menu screen included on the disc.
2. Press direction buttons to highlight a selected menu entry.
3. Press OK or PLAY to select the highlighted entry. If the highlighted entry indicates a chapter or title, the disc will play from the selected spot.

**SUBTITLE BUTTON (SUBTITLE)**

1. Press SUBTITLE button to bring up the subtitle information which will be shown on the top right corner of the screen.
2. Each time you press SUBTITLE, you can switch to another subtitle available in the disc.

**NOTE:** This only operate if the disc with the **SUBTITLE** function.

**ANGLE BUTTON (ANGLE)**

Press ANGLE button to bring up the angle information which will be shown on the top right corner of the screen.
Each time you press **ANGLE**, you can switch to another camera angle available in the disc.

**NOTE:**This only operate if the disc with the **ANGLE** function.

**OSD BUTTON**

1. Press OSD button to display the amount of time played and time remaining to be played on the disc.
2. Press OSD button once to additionally display the disc type, current chapter or track, and total number of chapters or tracks.
   Also displayed is the current title, total number of titles.
   Press OSD button a second time to additionally display the disc type,Audio language/type/# of channels, subtitle language, and angle selection.
3. Press OSD button a third time to make the OSD disappear.

# 13. SET UP MENU OPERATION

## General Steps of Setup Menu

1) Press the Setup button, the main setup menu appears.
When the main menu displayed, the Video will auto pause.

2) Press the Left and Right arrow buttons to highlight the icon of the desired page, then press the Down or Right arrow button to activate that page; For example, if you want to setup the video page, press Right to highlight the video icon, the video page will be displayed on the screen.

3) Press the Down arrow button to highlight the desired option. Press ok or press Right to select, the choices of that option appear on the right; For example, press the Down arrow button to highlight the BRIGHTNESS option, then press ok to select, the brightness choices appear on the right.

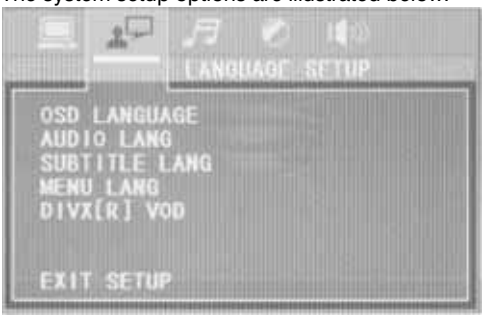
4) Press the Arrow buttons to highlight the Exit Setup option, then press Enter or Setup again to exit Setup Menu.

**NOTE:** When setup, the pressing setup buttons will turn off the setup menu, while the choices that have been changed will be saved.

## Setup Items Introduction

### 1) SYSTEM SETUP

The system setup options are illustrated below:




**SCREEN SAVER**

If the screen saver is on, when your disc player is in Stop, Open, or No Disc state, or there is a frame frozen for more than 30 minute, the screen saver will be displayed. This feature can protect the screen from damage.

- ON: Choose this setting to activate the screen saver.
- OFF: Choose this setting to cancel the screen saver
  The default setting is ON.

**TV TYPE**

- 16 : 9 (Wide Screen): Choose this setting if your Multi-Media player is connected to a wide screen TV. If you choose this setting and you don't have a wide screen TV, the images on the screen may appear distorted due to vertical compression.
- 4 : 3 LB (Letter Box): Choosing this setting if your Multi-Media player is connected to a normal ratio TV. connector You'll see the movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie might appear with black bars at the top and bottom of the screen.
- 4 : 3 PS (Pan & Scan): Choosing this setting if your Multi-Media player is connected to a normal ratio TV. You can fill the movie to the entire screen of your TV. This might mean that parts of the picture (the left and right edges) won't be seen.

**NOTE:**

- The image display ratio is related to the recorded disc format. Some disc can not display images in the aspect ratio you choose.
- If you play a disc recorded in 4:3 format on a wide screen TV, black bars will appear on the left and right side of the screen.
- You must adjust the screen setting depending on the type of the television you have.

**PASSWORD**

The password option is initialized locked, and you cannot set the ratings limit or change the password. In order for the Ratings feature work, the password mode must be turned on. If you want to set the ratings limit, you will need to enter the default password, which is 0000, then press ok to confirm. To change the password, you will be prompted for the old password, then be prompted for a new. Enter a 4-digit number (this is your password).

**RATING**

The Rating feature is a rating limit system, like movie ratings. It works with discs that have been assigned a rating. This helps you control the types of Discs that your family watches.

- There are eight rating options: 1. KID SAFE, 2. G, 3. PG, 4. PG-13, 5. PG-Q, 6. R, 7. NC-17, 8.ADULT.
- Select the ADULT option to cancel the rating limit.

The default setting is ADULT.

**NOTE:** If the password option is locked, you cannot set the ratings limit; the rating limit does not work when the password option unlocked.

**DEFAULT**

Choose this option to resume all the setup options to default settings.

**2).LANGUAGE SETUP**

The language setup options are illustrated below:

**OSD LANGUAGE**

- Highlight the OSD LANGUAGE option, and press the Arrow buttons to choose the OSD language you prefer. Press Enter to confirm, and it will display OSD in that language.

**AUDIO LANG**

- Highlight the AUDIO LANG option, and press the Arrow buttons to choose the audio language you prefer. Press Enter to confirm. If the disc you are playing has that language available, it will output audio in that language.

**SUBTITLE LANG**

- Highlight the SUBTITLE LANG option, and press the Arrow buttons to choose the subtitle language you prefer. Press ok to confirm. If the disc you are playing has that language available, it will displays subtitles in that language.

**MENU LANG**

- Highlight the MENU LANG option, and press the Arrow buttons to choose the menu language you prefer. Press ok to confirm. If the disc you are playing has that language available, it will displays menu in that language.

**NOTE:** If your preferred language isn't available, the disc's default language will be played. The default language of your Multi-Media player is English.

**3).VIDEO SETUP**

The video setup options are illustrated below:

**BRIGHTNESS**

- Use the Up and Down arrow button to move the scroll and adjust the brightness.

**CONTRAST**

- Use the Up and Down arrow button to move the scroll and adjust the contrast.

**HUE**

- Use the Up and Down arrow button to move the scroll and adjust the hue.

**SATURATION**

- Use the Up and Down arrow button to move the scroll and adjust the saturation.

**SHARPNESS**

- Use the Up and Down arrow button to move the scroll and adjust the sharpness.

**4).SPEAKER SETUP**

DOWNMIX — LT / RT, STEREO, VSS

SUBWOOFER — OFF, ON

CENTER DELAY — +, - 12MS, - 2MS, 0MS

REAR DELAY — +, - 12MS, - 6MS, 0MS

# 14. SPECIFICATIONS

## CD PLAYER

| | |
|---|---|
| System | Compact disc audio system |
| Usable disc | Compact disc, CD-R, CD-RW |
| Sampling frequency | 44.1KHz |
| No of quantization bits | 1bit |
| Frequency | 20-20,000Hz |
| Number of channels | 2 stereo |
| S/N Ration | 70dB |

## RADIO SECTION

### FM

| | |
|---|---|
| Frequency Range | 87.5 -108 MHz (EURO)<br>87.5 -107.9 MHz (USA) |
| Intermediate Frequency | 10.7 MHz |
| Usable Sensitivity | Better than 15dB at S/N 30 dB |
| Stereo Separation | 25 dB at 1KHz |
| S/N Ratio | 50 dB |

### AM (MW)

| | |
|---|---|
| Frequency Range | 522 -1620 KHz (EURO)<br>530 -1710 KHz (USA) |
| Intermediate Frequency | 450KHz |
| Usable Sensitivity | Better than 45dB |
| S/N Ratio | 40 dB |

## GENERAL

| | |
|---|---|
| Power Supply | DC 11 -14V |
| Polarity | Negative Ground |
| Speaker impedance | 4Ω |
| Power Output | 80W x 4 |

**REMARK :**
**Specifications subject to change without notice.**